

## INTERNATIONAL SEARCH REPORT

Int onal Application No  
PCT/IB2004/052487

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H04B7/08 H04B1/707

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, COMPENDEX

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/053525 A1 (MEHRABANI ALIREZA TARIGHAT ET AL) 20 March 2003 (2003-03-20)	1-3, 8-12, 17-22
Y	figures 1-4,8	4-7, 13-16, 23-26
Y	page 1, paragraph 5 - page 5, paragraph 67 ----- EP 0 806 844 A (NTT MOBILE COMMUNICATIONS NETWORK INC) 12 November 1997 (1997-11-12)  column 3, line 10 - line 45 abstract; figures 2,5 column 10, line 40 - column 11, line 7 ----- -/--	4-7, 13-16, 23-26

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

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- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

25 February 2005

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04/03/2005

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6 219 344 B1 (JONES WILLIAM W ET AL) 17 April 2001 (2001-04-17)  column 1, line 32 - column 4, line 45 figure 3	4-7, 13-16, 23-26
A	BABAK H KHALAJ ET AL: "SPATIO-TEMPORAL CHANNEL ESTIMATION TECHNIQUES FOR MULTIPLE ACCESS SPREAD SPECTRUM SYSTEMS WITH ANTENNA ARRAYS" COMMUNICATIONS - GATEWAY TO GLOBALIZATION. PROCEEDINGS OF THE CONFERENCE ON COMMUNICATIONS. SEATTLE, JUNE 18 - 22, 1995, PROCEEDINGS OF THE CONFERENCE ON COMMUNICATIONS (ICC), NEW YORK, IEEE, US, vol. VOL. 3, 18 June 1995 (1995-06-18), pages 1520-1524, XP000535015 ISBN: 0-7803-2487-0 the whole document	1-26
A	EP 1 365 521 A (NEC CORPORATION) 26 November 2003 (2003-11-26) abstract; figure 1	1-26
A	EP 1 065 802 A (NEC CORPORATION) 3 January 2001 (2001-01-03) abstract; figure 7	1-26

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